



Predicate + conditional branch

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R Bodík, R Gupta, ML Soffa - Proceedings of the ACM SIGPLAN 1997 conference on ..., 1997 - portal.acm.org

... Analyze predicate (w relop) in **conditional branch** node b 1 initialize Q[n] to {} at each node n 2 form the initial query qb = (D, rdOp, c, nil) 3 raiseXplicity ...

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[Enhanced Modulo Scheduling For Loops With Conditional Branches - group of 4 »](#)

NJ Warter, GE Haab, JW Bockhaus, K Subramanian - Microarchitecture, 1992. MICRO 25., Proceedings of the 25th ..., 1992 - ieeexplore.ieee.org

... For the **conditional branch** in a simple if-then-else construct, the fall-through basic block is assigned the **false predicate** and the **branch-target** basic block ...

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[Characterizing the impact of predicated execution on branch prediction - group of 5 »](#)

SA Mahlke, RE Hank, RA Bringmann, JC Gyllenhaal, ... - Microarchitecture, 1994. MICRO-27. Proceedings of the 27th ... - ieeexplore.ieee.org

... algorithm to convert **conditional branches** into predicate defining instructions, and instructions along alternative paths of each **branch** into predicated ...

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GC Necula, P Lee - ACM SIGPLAN Notices, 1998 - portal.acm.org

... information in the resulting verification **condition**, so that ... A backward **branch** is verified to point to ... operation, the appropriate safety **predicate** is emitted ...

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[Guarded execution and branch prediction in dynamic ILP processors - group of 3 »](#)

DN Pnevmatikatos, GS Sohi - Computer Architecture, 1994. Proceedings the 21st Annual ..., 1994 - ieeexplore.ieee.org

... **condition** is used once to decide the **branch** outcome and ... With guarding, the **condition** register is used as a ... problem is to add a separate **predicate** register file ...

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[A Comparison of Full and Partial Predicated Execution Support for ILP Processors - group of 7 »](#)

SA Mahlke, RE Hank, JE McCormick, DI August, WW ... - portal.acm.org

... algorithm to convert **conditional branches** into predicate defining instructions, and instructions along alternative paths of each **branch** into predicated ...

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[The effects of predicated execution on branch prediction - group of 9 »](#)

GS Tyson - Microarchitecture, 1994. MICRO-27. Proceedings of the 27th ... - ieeexplore.ieee.org

... table to 8192 entries) and each **branch** history pattern ... based on the result of a boolean **condition**. ... model a limited number of new predicate instructions are ...

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[Dependence analysis of parallel and distributed programs and its applications - group of 10 »](#)

J Cheng - Proceedings of the 1997 Conference on advances in Parallel ..., 1997 - doi.ieeecs.org

... direct selection dependence is that the former defines a type of program dependence holding between the control **predicate** of a **conditional branch** statement and ...

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[Reverse If-Conversion - group of 3 »](#)

NJ Warter, SA Mahlke, WMW Hwu, BR Rau - Proceedings of the ACM SIGPLAN 1993 conference on